**Supplementary Table 3** C2H2 zinc finger proteins involved in the development of epidermal cells in *Arabidopsis thaliana*

|  |  |  |  |
| --- | --- | --- | --- |
| Gene name | Expressed tissues | Functions | References |
| *GIS* | stem epidermis and flower meristem | trichome fate determination and trichome branching development | ([Gan et al., 2006](#_ENREF_2);[Gan et al., 2007a](#_ENREF_3);[Sun et al., 2013](#_ENREF_7)) |
| *GIS2* | primary and secondary meristems, developing flowers and successive cauline leaves | trichome fate determination | ([Gan et al., 2007b](#_ENREF_4)) |
| *ZFP8* | cauline leaves | trichome fate determination | ([Gan et al., 2007b](#_ENREF_4)) |
| *ZFP5* | roots, stems, branches, and young leaves | trichome fate determination and root hair fate determination | ([An et al., 2012](#_ENREF_1);[Zhou et al., 2012](#_ENREF_9)) |
| *GIS3* | root, the first and second developing branch and fully elongated first internode of the main stem | trichome fate determination | ([Sun et al., 2015](#_ENREF_6)) |
| *ZFP6* | root, the first and second developing branch and fully elongated first internode of the main stem | trichome fate determination | ([Zhou et al., 2013](#_ENREF_10)) |
| *ZFP1* | flower, main stem and silique | trichome fate determination | ([Zhang et al., 2020](#_ENREF_8)) |
| *AtZP1* | root hair, trichome, young leaves, flowers, siliques | root hair initiation and elongation | ([Han et al., 2020](#_ENREF_5)) |

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